The Nugget Is California's Leading Mining Weekly

Nevada City Nugget

VOLUME V, NUMBER 21 THE GOLD CENTER NEVADA CITY, NEVADA COUNTY, CALIFORNIA THE COUNTY SEAT PAPER APRIL 24, 1931

LEGISLATIVE GOSSIP AT STATE CAPITAL

By SENATOR BERT A CASSIDY

The long looked for budget battle came before the senate as a whole Monday morning and as the writer pens these lines, is raging back and forth, from one side of the Senate Chamber to the other. By the time this article gets into print it will have been definitely settled. Undoubtedly the budget will go through as originally planned by the State Director of Finance, because it is not the desire of any to hamper the logical carrying out of the functions of our state government. When it was learned that the reductions as proposed by the sub-committee of the senate finance committee, came principally from essential branches and functions in our state government. When it was learned that the reductions as proposed by the sub-committee of the senate finance committee came principally from essential branches and functions of our state government, the amendments were turned down. The reduction was felt it would be more financially sound to keep the budget intact, than otherwise.

We note with interest the action of the mining association at the meeting Saturday night in which they endorsed the report of the Mining oCmpensation Insurance Investigating Committee, composed of Seators Williame, Allen, Cassidy, Rich and Carter. The Committee worked very strenously on the industry as a whole appreciate these efforts The report is of such length that it will not permit publication but it has been printed in phamphlet from and copies may be obtained by addressing the writer or the Secretary of the Senate.

The so-called four year college bill was defeated in the Teachers College committee of the senate last week, after it was successful in weathering the storms of the assembly. On Monday Senator Inman introduced a resolution to bring the bill out of the committee on the floor of the Senate, but the resolution was turned dwn to the tune of 13 to 25. Thus ends the attempt of the legislature of 1931 to make a four year college in Sacramento a relity rather than a supposition.

Legislators now begin to have some hopes that the present session will ned in May. With the matter of re-apportionment settled on constitutional lines, as nearly as it is possible to reapportionment on that basis, and the budget out of the way, legislators are beginning to have a desire to return to their homes, as routine matters only remain to be settled. The session is said to be one of the most be-draggled in the history of the state. The legislators are truly bearing out the full meaning of the word, as thy pass to and fro through the halls and about their work. The heat and grind make them a bedraggled spectacles.

The re-apportionment bill has passed and will soon become a law by the signature of Governor Rolph. The State of California will be re-apportioned on grounds as nearly constitutional as is possible to do under the widely divergent conditions that exist in territary and population in this great empire on the shores of the Pacific. With districts in the State of California several hundred miles in length that have spares population, and other centers congested with population of necessity be larger territorially than others. But in the whole set-up the state has been reapportioned on grounds laid out by the constitution under the terms of the constitution amendment adopted five years ago. It is along the same plan as use in the Congress and Senate of the United States where states like Nevada, composed of large territories, like Nevada, have 2 United States Senators and one Congressman.

MRS. FERBRACHE DIES

Mrs. W H Osborne and Mrs. Charles Kistle went to San Andreas to attend the funeral of their sister, Mrs. J. A. Ferbrache who died in that place last Saturday. Mrs. Ferbrache lived in this city for sometime and made many friends here who will regret to learn of her passing. Besides her two sisters she is survived by her daughter, Mrs. Evelyn Wheelock.

EMPIRE-STAR BIG PRODUCER LAST YEAR

The production of the Empire-Star Mines of Grass Valley, a subsidiary of Newmont Mining Compony of New York, for the calendar year 1930 is given in the report of that company just issued, as $1,678,673.-14

This closely approximates $140,-000 per month and certainly speaks well for a mine has been producing for the past 80 years. This is a real presistency and we very much doubt if there is a gold mine any where else in the world that has a better record than this.

The Newmont Company's portfolio is wade up of some 32 diffrent companies who are engaged in the production of diamonds, gold, copper, silver, irion, nickel, tin, coal, sulphur and oil.

The company calls attention to the fact that during 1930 copper dropped 42 per cent, silver 33, tin 34, zinc 24 and lead 18 per cent--the most drastic decline of metal prices ever known.

The company's assets are more than 47 millions. Fred Searls of Nevada City is one of the Vice Presidents of the company and Carrol Searls is assaistant secretary- Treasurer.

ENGLEBRIGHTS OFF TO VISIT HONOLULU

Congressman H. L. Englebright and wife left this week for the Hawaiian Island where Mr. Englebright will meet with the territorial commission, of which he is a member. They expect to be absent about two weeks.

The Hawaiian Islands are a very important posession of Uncle Sams are stragetically situated as a naval base for operations in Asiatic waters. Their population is estimated at about 300,000.

The island population is overwhelmingly Asiatic, there being but about 20 per cent native Hawaiins and 4 per cent American, while Chinese comprise 17 and Japs more than 40 per cent of the entire population.

The Japanese, by intermarriage and by imigration are gradually becoming predominant and the time is approaching when the souvereignty of the islands will be seriously disputed by the yellow race.

FORMER RESIDENT RIDGE SUCCUMBS

On Tuesday last, at Marigold, Yuba County, occurred the death of Mrs. Lilly H. Quick, widow of the late James Quick, who resided at Badger Hill for many years and later on what is now the Winney Poultry Ranch, where he conducted what is believed to have been the first poultry breeding farm in this section of the state.

Mrs. Quick will be remembered by many of the old residents of the ridge and of this city, by whom she was highly esteemed.

She is survived by two sons, P. T. and E. I. Quick of Marigold. She was a sister of Mrs. Jessie Ingleson of San Johe, Mrs. Charles Hall of Alviso and of Alfred Manhire of Corning, Tehama county.

Funeral services were held Thursday morning at 10 o'clock in Marysville and interment was made in the family plot in Elm Ridge cemetery.

P.-T. A. TO GIVE BIG DANCE AT DOWNIEVILLE MAY 2ND

The P. T. A. of Downieville are giving one of their famous dances Saturday evening, May 2nd. A sacramento orchestra with an exceptionally fine reputation, has been engaged for the occasion and a good time is promised all who attend.

At midnight the ladies will serve a fine banquet.

REOPENS RADIO SHOP

Charley Corey returned Sunday from Gridley where he has been visiting his parents and recovering from an attack of the flu. He has reopened his radio shop and will also carry a complete supply of fishing supplies.

REPORT OF COMMITTEE APPOINTED TO INVESTIGATE COMPENSATION

Report of Speciall Senate Committee appointed to investigate mining compensation insurance rates and other matters incident thereto under senate resolution adopted January 21, 1931.

Pursuant to said resolution the committee met in San Francisco and conducted a series of hearings. At these hearings there appeared before the committee the Industrial Accident Commission, the State Compensation Insurance Fund, the manager and technical staff of the California Inspection Rating Bureau, together with all members of the Classification and Rating Committee of said bureau a representative of the Insurance Commissioner's office, Mr. Brooks, representing the mining Association of California, Mr. G. Chester Brown, representing the Metal & Mineral Association, and Daniel W. Burbank, Councel for the members of the California Inspection Rating Bureau, including the State Compensation Insurance Fund.

An intensive investigation of the rate making, or rather rate calculating organization was made, together with a complete and through investigation of the State Compencation Insurance Fund and the Industral Accident Commission as far as these two institutions are concerned with the mining industry.

Workmen's Compensation Insurance Act and Political Code 602b.

The State Constitution, Article 20 Section 21, first adopted in 1911 and re-enacted in 1918 declares that it is the social public policy to establish a complete system of workmen,s compensation, including relief for workmen and their dependents, and full provision for securing safety in places of employment. The Workmen's Compensation Insurance and Safety Act was passed in 1913 and requires every employer to secure to his employees payment of compensation by either insurance or securing a permit to self insure. It provides that an employer is relieved of all liability to his employees if he takes out a policy of insurance within the State of California.

Immediately after the adoption of the Workmen's Compenstion Act there was no regulation of insurance rates, each carrier charged whatever rate it saw fit, and rates, each carrier charged whatever rate it saw fit, and rate cutting resulted in rates so inadequate that several inhurance carries failed. Workmen and their dependents entilted to compensation indemnity could not collect the amounts due them from the insolvent carriers. There was no legal libility on the employer, who had been insured, to pay these legal libility on the employer, who had been insured, to pay these benefits. The Legislature appropriated money inorder to hatisfy these claims left by the various defunct insurance companies. After this appropriation has been made by the Legislature, Political Code Section 60ab was passed in 1951. This section, known as the "Minimum Rating Law" vested sole authority in the Insurance Commissoner to make and approve compensation insurance rates and prohibited any carrier from writing compensation insurance" at premium rates which were less than the rates previously approved or issued by the State Insurance Commissioner for all insurance carriers as adequate for the risks to which they respectively applied." He was authorized to establish any rating systems that he found necessary.

In order for the Insurance Commissioner to adequately enforce the minifum rate law provided in Political Code Section 60ab, it was found necessary to set up a manual of some 1500 classifications for various industries within the state of California, and provide for some method of gathering the necessary data for determining what the proper rate to be charged were for each classification. The clasification in the rate manual are now 750 instead of 1500 as contained in the orginal manual, it being the policy of the Insurance Commissioner, but only for California, but all other state Commissoners to have a few classifications as possible.

California Inspection Rating Bureau

At the request of the Insurance Commissioner of the State of California all insurance carries were invited to erect a rating bureau for the purpose of obtaining for the Insurance Commissioner the necessary rate calculating data. The California Inspection Rating Bureau, an unincorporated body, was formed. This bureau includes in its membership all the compensation insurance carriers writing business within the state of California, including the state Compensation Insurance Fud. The purpose of such bureau was to gather necessary rate calculating data from all Insurance carriers, and to present same to the Insurance Commissioners for his approvel or rejection as far as compensation insurance rates are concerned. The expence of this bureau is distributed among all the compensation insurance carriers in proportion to their premium writings. This bureau is an independent bureau, but has available all the satisfactions data for rate calculation filed by insurance commissioners of the United States and insurance carriers with the National Rate Calculating body, namely, the National Council of Workmen's Conspensation Insurance.

The actual rate calculations are made by the techenical staff of the bureau, and are subjected to review by the classificatin and rating committee of said bureau, which consists of one represenative of the State Compensation Insurance Fund, one representative from the Insurance Fund, one representative from the Insurance Commissioner's office delegated by the Insurance Commissioner ,one participating stock insurance carrier, one mutual insurance company, and on representative of the reciprocals. Rate calculating data is reviewed by the techenical staff of the California Inspection Rating Bureau, and the classification rating committe annually, and results presented to the Insurance Commissioner of the state of California for his approval or dispprovel. The legal rate making power in this state is placed entirely in the hands of the said Insurance Commissioner.

This system of calculating and making rates uniform throught the United States, is approved by the National convention Insurance Com-

(Continued on page 6)

Spring Activities

NEWTOWN MINE IS TO BE REOPENED

Ed. C. Jacobs of this city has interested Canadian and English capital for the purpose of unwatering and prospecting the Newtown Mine, formerly operated by Lester M. Dull.

The property comprises 480 acres north of the Newtown road. There is a shaft 150 feet deep on the vein, which is supposed to be an extension on the strike of the famous Idaho.

The country rock is what Lindgren terms pyroxenite—a dark green igneous rock, lying between the serpentine on the east and the gabbro on the west.

The vein is very well defined and can be traced on the surface near the shaft for more than a thousand feet. It varies in width from 10 to 16 feet and has a dip northerly of from 55 to 80 degrees.

There is a hoist, compressor and a ten-stamp mill on the property and arrangements are being made to bring in electric power by the construction of about one mile of pole line.

Mr. Roberts states that the company have made no plans as to future development and will not do so until the shaft and underground workings have been unwatered and thoroughly prospected.

Should conditions prove satisfactory, as they anticipate, his company are in a position to develop the mine on an extensive scale.

HOME PLANNED FOR WAYWARD BOYS

Mr. R. C. Martens of San Francisco is making arrangements through O. D. Woodman, well known realtor, for the purchase of the old Rodgers place on the upper Wyoming road beyond the Kreigel place.

Mr. Martens plans to renovatae and repair the old house on the premises and later will conduct a private institution for the care and schooling of wayward boys.

This is not his first experience in conducting an institution of this kind and he feels that he has found a location in this vicinity that is better situated for his purpose than could be found elsewhere.

The Rodgers place contains about 26 acres just outside the city limits and plans are already being made to bring water on the ground through a pipe line from the old Cement Hill ditch so that the place can be extensively cutlivated.

DRILLING FAITHFULLY FOR MAY DAY PARTY

Under the direction of Mrs. Lyda Talbot about fifty small boys and girls of the Nevada City Grammar schools are drilling faithfully every day for the May day celebration for the benefit of Red Men's Hall in the hall on Saturday night, May 1st.

There are to be a number of various dances presented by the young folks who will be appropriately costumed. Mrs. Talbot has had a wide experience in drilling young folks for these affairs and her pupils have been seen in a number of entertainments in this city in the past and they have alwayh made a great hit.

Following the entertainment there will be a dance with music furnished by Abbott and Curry orchestra.

ELECTION OF SCHOOL TRUSTEES SATURDAY

Saturday afternoon at the Washington school house between the hours of 2 and 6 p. m. the annual election of school trustees of Nevada City grammar and high school districts will take place.

Three trustees are to be elected, the terms of Messrs. A. W. Hoge, Wade Armstrong and E. T. R. Powell expiring. Mr. Powell has declined to be a candidate for re-election, owing to the fact that he is absent from Nevada City a good deal of the time. E. M. Rector has consented to be a candidate and his name will go on the ballot with those of Messrs. Hoge and Armstrong.

MINING ASSOCIATION HOLDS FINE MEETING

A meeting of the Local chapter of the Mining Association of the purpose of attending to a number of business matters, the principal one of which was the reorganization of the chapter. The chapter will henceforth be known as the Nevada County Chapter. Anyone, whether in this county will be welcome as a member. An invitation hes been sent to Sierra Counay asking them to join with Nevada County.

The following officers were elected to serve Nevada County Chapter for the coming year. President Arthur Foote, Vice President Otto Schiffner, Secretary Elsie Willoughby.

A synopsis of the report of the Senate Committee for investigation Conpensation Insurance was read and was endorsed by the members of the chapter.

A dinner proceeded the business meeting which was held in the Rotary Room at hotel Bret Harte.

WILL BUILD LODGE AT CAMP CELIO

At a recent meeting of the Berkeley Camp Fire Girles' board of directors meeting recently it was decided to build a lodge for girls of that group at Lake Vera on a tract of land owned by the Oakland Camp Fire Group and adjacent to the lodge Camp celio tract. The site selected for the new lodge is on a commanding eminece givig a woderful view of the lake ad the surrounding country, There will be platforms laid for about forty tents.

This will make it possible for the Oakland, Alameda and Berkeley groups of Camp Fire Girls who are united as the East Bay group and work as a unit to have three sections, Junior, Intermediate and Senior. The juniors are composed of girls from 10 to 13 years of age; the intermediates, 13 to 15, and the seniors, 15 to 18 years of age.

The executive secretary of the Oakland Camp Fire Girls Association, Mrs. Lucia Searls, made a flying trip to the camp site Tuesday. Mrs. Searles stated that there will be four sessions at Camp Celio this year with 135 girls in camp at each session, and a staff of 30 instructors.

The first camp will commence on June 8th and end June 22nd; the second will commence June 22 and end July 6; the third commences July 6th and ends July 20 and the final camp period will be from July 20th to August 3rd..

The girls will come to Nevada City via the Southern Pacific Railroad and the Nevada County Narrow Gauge Railroad and will be taken from the railroad station in Nevada City to Camp Celio in the Nevada City-Grass Valley Auto Stages bus. Return to Oakland will be made the same way.

UNCLE TOM'S OPENING DANCE NEXT SATURDAY

Next Saturday night will start the first of a series of summer dances given at Uncle Tom's Cabin on the Downieville highway about four miles from Nevada City.

Mr. Coan stated that he is making arrangements for a grand opening of the big platform on that evening. The floor is in the best of shape, and a seven piece orchestra will be in attendance.

To celebrate the opening dancers will be served a free Italian dinner. The services of one of the best Italian cooks has been obtained for this feature of the event.

A free bus will leave at the corner of Broad and Pine streets at 9:15 p.m returning after the dance.

DR. WALKER W. REED TO OPEN OFFICE HERE

Dr. Walker W. Reed is opening office in Mrs. Gallegher's house on Broad street within the next few days.

Dr. Reed is a graduate of the University of Colorado. Since graduation he has spent one year in St. Louis City Hospital and one year at the Mater Mesericordiae Hospital in Sacramento.

Dr. Reeds residence will be at the National Hotel.

THE NEVADA CITY NUGGET

Published weekly on Friday morning at Nevada City, Calif., and entered as mail matter of the second class in the postoffice at Nevada City, under Act of Congress, March 3, 1879.

SUBSCRIPTION RATES

One Year. any address in California, in advance	$2.00
Outside California, in U. S.	2.50
Three Months	.60
One Month	.25

A Legal Newspaper of General Circulation for Nevada City and Nevada County, as defined by legal statute. Printed and published at Nevada City.

Elsie P. Willoughby.....Editor and Publisher
Thomas Bessler.....Manager

CONCENTRATES

While great strides have been made in surgery in the past half centuary and a deal of experimenting is being carried on in the field of bacteriology, it still remains a fact that as far as medicine goes the remedy is not known which will cure a common cold.

This, many of us have time to ponder over as we sneeze and cough and snuffle through the present epidemic of so-called "flu".

Your doctor simply tells you to go to bed and take care of yourself. He is unable to give you a pill or powder that will hasten your recovery to any extent.

The old remedies of our great grandmother's days a hundrer years ago-- onion sirup, a mustrad foot-bath or a hot toddy are still as efficient as the many modern products that are sppposed to cut the life of the cold germ; but most of us have forgotten these because they are not ultra modern and because they take a little effort to prepare.

About four years ago some observing individual noted that workers around chlorine gas, which is a derivative from common salt, were notably free from colds, so immediately the chlorine gas bomb was acclained as a cure.

You were instructed to confine yourself in a closet or bath room of small dimessions, then to break the top off the bomb, which was similar in appearence to a large incandescent bulb, and gasp in the acrid fumes of chlorine for twenty or thirty minutes. But as far as we were able to observe, even with abiding faith in the bomb, our cold still clung to us. Even president Colridge, who was suffering from a serve cold at the time, was initiated into the Chlorine club.

If we remember rightly it was Peary who wrote that while in the arctic two or three members of the parey tried to contrace a cold by becoming overheated and then permitting themselves to chill. They were however unable to bring on any form of common cold--evelently because the germ was not present.

On the other hand, it is well known that when whaling ships in the far north visit isolated Eskimo camps they invariably cause an epidemic of colds among the inhabitants.

It has been our experience that, while we may occasionally starve off a cold right at its first sympton by the use of sprays and either remedies it is usually dut a few days until it seems to return to the attack with a pent up energy that defies any further attempt at control.

However, with the ordinary cold it is but the matter of a day or two usually before those wonderful little fighters in the blood stream of the healthy individual, kill off the invading germ.

Infection of the sinuses to be quite prevalent with the present epidemic. These cavities, or pockets, exist in the skull both over and under the eyes. They are lined with mucous membrane and are connected with the nasal place. When inflected they are quite painful and the discharge is recognized by its viscid nature and amber color. A diseased sinus may affect the bony structures and should not be neglected.

After all, our best means of combating colds, and any disease for that matter, is to keep our bodies in a good healthy condition.

An ambitious resident of Yuba City, who awaits the approch of next summer's valley heat with a great deal of misgiying, writed the Bee that an idea has come to him.

He would place throught the Sacramento valley giant fans to be run by electricity, which he thinks would cool the temperature some ten or fifteen degrees and induce more people to move down there and cool off.

That's a pretty big order but just think how nice it would be up at Chico or Red Bluff, where it occasionally gets up to 110 or so during a July afternoon, to pull down your pajamas, order the bay breezes turned on and chase the hell's atmisphere up over the Siskiyous.

While we are about though, why not order up a few clouds and an cocasional afternoon shower. That would wake it still wore plesant. In fact, talking about it makes us feel like ordering up a good rainstorm now.

Down in the valleys things do not look good. The grain is up but a scant eight inches or so and is turning brown for lack of moisture. In the San Joaquin the fields are as sere and brown as they are usually in late May.

San Francisco's reservoirs, down the peninsula, are but half filled, and with Oakland already supplying them with a large amount of water, the seriousness later in the season is causing a great deal of appreciation around the bay.

With Sacramento having a temperature Tuesday of 96, the highest by 5 degrees for this time of the year in 70 years, it looks as though we will have to get out our abestos suit to keep from snizzling this summer.

You can buy gas down in the bay region as low as 9 cents per gallon. You lan by better than this If you patronize some of the car greasing stations they will give you 10 gallons of gas, althongh it is more than likely that the greasing charge has the bas iost added to it. And so the gas war rages; the old line companies maintaining generally a flat 10 cent rate.

The major oil companies are facing rather a trying situation on account of the horde of bootleg gas producers who are making large quantities of gas with cheaply operated and constructed stills with which they can produce gasoline at acostofabout 3½ cents per gallon. Add to this the state tax of 3 cents and a distribution charge of 2½ to 3 cents and you have gas at a bedrock price of about 9 cents per gallon. It cannot be sold for less than that without actual loss

The main distributing companies have set the price of crude oil at 35 cents a barrel of 72 gallons. The former prihe was $10. From this barrel of oil about 40 gallons of gas can be obtained by distillation, and considerably more by the process of cracking, which, however, requires expensive equipment for the process.

Unfortunately for the country momotorist's purse the low prices of gas have not been reflected in the prices charged by retail stations—in fact home of them seem not to have heard of the "war" and are making 5 and 6 cents a gallon through a close agreement among themselves. But the competition in the country is not keen because the bootleg producer has not the means of distribution necessary to compete with the larger concerns.

The gas war will undoubtedly last for some time yet and it is hard to see how it is going to result in ayn particular benefit in the end, as far as the producer is concerned, because these small distilleries are always available as long as there is a surplus production of oil to operate at a profit when gas goes goes above the 10-cent per gallon rate.

DIATOMITE USED FOR INSULATING MATERIAL

Owing to its extreme proosity and fineness of individual air chambers, diatomite in various forms is extensively used as insulating material. For insulating, diatomite may be used as sawed bricks which are cut at the quarry, as a granular powder, from the rock in place at the quarry, as a granular powder, as bricks which they are cut from the rock in place calcined, or as mortars and cements. The bricks are used extensively for lining furnaces, in which they are usually placed behind a firebrick facing and are backed up by ordinary brick. Thus sandwhiched in, they are very efficient in preventing heat losses.

The use of diatomite as a filler for batery boxes has increased rapidly in the last few years. The annual tonnage now so employed is considerable, and this market is one of the most important of the newer outlets which are being developed. Finely ground diatomite is also used as a filler in hard-rubber products, phonograph records, papier mache, paints and varnishes, oil cloth, linoleum insectticides, and for other purposes for which a light porous material is required.

Diatomite is used as an absorbent in the manafacture of acetylene gas. It is used also for absorbing chemicals such as bromine, alchol, and acids, for liquid fuels, liquid manures, and disinfectants. It makes a good packing material for strong acids such as nitric and sulphuric acids because in case of breakage it tends to absorb the spilled acid.

Diatomite is used as a source of silica for ultramarine blue, and in the wet process of manufacturing water glass. It is used as a carrier for catalysts in the hydrogenation of oils for the manafacture of soaps. Diatomite also is said to possess certain bleaching qualities.

In structural work, besides its use in concrete, diatomite is used in the manafacture of roofing tiles and for certain building blocks and bricks where weight is desired. It may be used for soundroofing rooms and telephone booths, and fireproofing safes and storage vaults.

Because distomite when finely pulverized yields minute particles which still retain angular characteristics, even though the individual diatoms may become broken, it is widely used as an abrasive for polishing. Where metal surfaces are required to take a high luster, the desired effect or polish is had by making minute microscopic scratches on the metal which in turn reflect light. Pulverized diatomite, sometimes mixed with other ingredients, makes an ideal material for this purpose.

Many metal polished now on the market use diatomite as a base. The small tough freshwater varieties are said to be the best for this purpose. Polishes of this kind may be used for silverware and for scientific and surgical instruments. Such polishes usually are marketed in the form of pastes or powders. Diatomite also may be used in automobile polishes, and the purest and finest material is used to some extent in dental powders and pastes and in fingernail polishes.

Diatomite has been used as a parting medium in steel foundry practice, as a substance for shalk in cryons, and as dusting powders for automobile tubes and tracing cloth. Diatomite is used to some extent in the ceramic industry in the manufacture of porcelains and tiles, as an adulterant in cheap foodstuffs, as a constituent of modelling putty and shoe polishes, and as a medium through which to blow air for aerating liquids.

Further details are given in Information Circular 6391, "Diatomite" copies of which may be obtained from the United States Bureau of Washington D. C.

Service Cleaners

CLEANING AND PRESSING

Men's and Ladies' Alterations
Call for and Deliver
Suit Orders Taken

PROMPT SERVICE

Phone 264
215 N. Main St., Grass Valley

LOCATION NOTICES— Quartz and placer location notices for sale at The Nugget office at 5c each.

THE SPECIALTY SHOP

156 Mill St. Grass Valley

SHOES

Billy Ties, Sport Oxfords in high or medium heels
For Women and Misses in all widths

We Specialize in Fitting Your Feet. This is an Individually owned store. Keep Your Money in Nevada County.

Napoleon on the 30th of April, 1803,
Sold us Louisiana at a 15 million fee,
A better bargain you said couldn't be
Until this Milk you came to see,
For its' the finest food we know
To keep you in trim and all aglow,
'Cause OUR rich pure kind beats all
And from first place'll never fall.

$10.00 In Gold For These Ads.—Ask For Details

BRET HARTE GUERNSEY DAIRY

Call 77 When You Want Cream From Guernsey Cows
Watch the Cream Line

SPECIAL

ST. REGIS HOUSEHOLD RUBBER GLOVES

33c

STATIONERY SPECIAL

60 Sheets Broadchect Weaves Novelty Writing Paper and 25 Envelopes to Match

49c

DICKERMAN DRUG STORE

GROCERIES Better Quality

ALL THE ODDS AND ENDS

That Make The Meal a Banquet

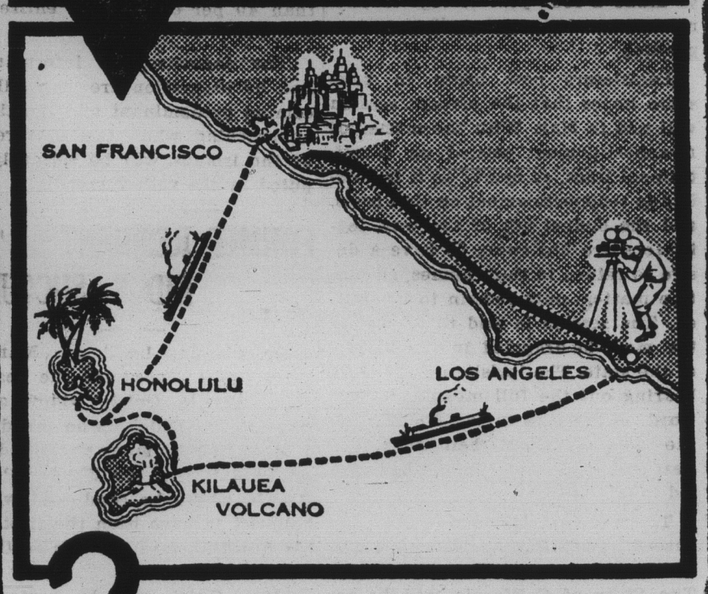
At this store you can obtain everything you need for that meal in the grocery line. We have all the delicious dishes and odds and ends that change a meal into a veritable banquet. We have the best in groceries at prices you can afford to pay. Merchandise cheerfully promptly delivered. We disappoint no one. Just give us a trial and be convinced.

J. J. JACKSON

Phone Number One We Deliver

ROSETTA BUZZA JOHNS
Vocal and Instrumental Instruction
Late of the Royal College of Music, London, England. Vocal pupil of Henry Blower and Piano pupil of Herbert Sharpe. Terms on application. Phone 229R. 218 French Ave. Grass Valley.

1931's greatest travel bargain!



2-weeks circle cruise

TO HAWAII
LOS ANGELES
SAN FRANCISCO
ONLY **$297!**

Never before a travel opportunity like this! Hawaii's beauty spots and fascinating Southern California in a two-weeks' trip! Honolulu, Waikiki, Kilauea Volcano, Los Angeles, San Francisco---all in one Circle Cruise! And all for $297, covering every ship and shore expense in the Islands.

May 16 is the Date!

Sailing from San Francisco May 16, this unique cruise is timed for your convenience just ahead of the Summer vacation rush. Lower prices and freer facilities for enjoyment make this---the flower month of May---the ideal vacation time.

Palatial Malolo your cruise ship!

You'll have four marvelous days at sea on the beautiful *Malolo*, en route to Hawaii! Three full days in Honolulu, with your hotel at Waikiki, and another thrilling day at Kilauea Volcano! Four more wonderful days at sea on the *Malolo!* Two days in Los Angeles! And home by rail in exactly two weeks, your regular vacation!

This delightful cruise---offering nearly 5,000 miles of sea travel and six full days ashore in lovely Hawaii and sunny Southern California---costs little more than an ordinary trip. And here is a vacation you will cherish in memory the rest of your life! Special folder gives full details. Ask your travel agent, railroad agent, or:

MATSON LINE

215 MARKET STREET SAN FRANCISCO

TUOLUMNE MINING CO. STRIKES GOOD ORE

SONORA, Calif, April 23—Three and a half feet of ore, assaying, it is learned, from $6., to $17 a ton in gold is being exposing by the incline shaft, now down 350 feet, which the Tuolumne Mining Company, controlled by Thomas Coyle, of San Francisco, and associates, is sinking on its property near Confidence. In an east drift being advanced on the 300-foot level, the vein shows similar width and like values.

Dr. E. A. Julian, of Turlock, Calif. has purchased from Crittenden Hampton, of Sonora, the Densmore mine, on the Stanislaus River, eight miles northwest of Sonora, which many years ago was worked by Hobart Hayward, famous pioneer California mine operators. The property which has been inactive for 20 years, is credited with a past production of $1,000,000, extracted in the extension of a 2,700-foot drift tunnel and tributary workings on the vein.

At the Lucky Five property, on the south fork of the Stanislaus River, eight miles north of Confidence, Charles Johnson and William and Frank Campbell are installing an air compressor and machine drills to expedite extensions of a 300-foot crosscut tunnel, a drift from which has exposed for a distance of 200 feet an orebody from one to eight feet in width which yields from $3 to $15 a ton in gold, it is stated.

Operating under a four-year lease from the owner, John Ratto, of Shaw's Flat, Frank Moyle and associates of Sonora are drifting south on the 100-foot level of a 150-foot incline shaft on the Faxon property, near the former town. They are following a two-foot vein which in the past has yielded several rich "pockets" of gold ore.

0

FRENCH CORRAL ITEMS

FRENCH CORRAL, April 23.—(Special)—Pick orange blossoms and luscious oranges from the same tree! That is what you can do in French Corral today. The orange trees hang with the golden fruit and covered with the beautiful white blossoms at the same time and we will add, never before have we seen such a profusion of blossoms.

The weather continues delightful, yet we are hoping and praying for more rain. With the mercury above 80 today felt quite summery.

If, with their songs, the birds could only warble, "Be Careful of Fire!" the constant warning might help to prevent forest fires, which are already springing up. Many men were fighting a fire below San Juan today, which got into the heavy timber before they got it under control.

Much excitement was caused in Birchville last Thursday, when flames were seen shooting from the roof of the residence of H. Thomas. Fortunately help was at hand and they succeeded in extinguishing it before much damage was done. It was caused by a spark from a brush fire alighting on the roof.

The many friends of Mrs. E. Sutherland will be glad to learn that she returned from the Nevada City sanitarum to be home in French Corral last Thursday much improved.

County Assessor H. Schroeder and his deputy, E. Morgan, paid their annual visit to this section last Wednesday. Their many friends are always glad to see them, but as all pleasures must end we trust the ending of this pleasure is far, far, into the future.

Mr. Burt, representing the Pacific Coast Auto Association, had business here Friday.

H. Mansfield made a trip to San Juan Friday.

Rev. Fr. O'Reilly held service in Birchville early Saturday morning to enable his congregation to fulfill their Easter duty.

Mr. and Mrs. W. E. Moulton went to Sacramento Saturday to bring their daughter, Frances, home to spent the week-end. Mrs. E. Moulton arcompanied them.

Mr. and Mrs. C. Hoffman, with their son Milton and wife, and daughter, Mrs. J. Huntley and Mrs. Blanche Storkwall and little Adelini, came from Sacramento for a Sunday outing. Although they have lived in Sacramento for the past 12 years, they still come "up home" for a visit.

Mr. and Mrs. Melvin Lord and Mrs. Lord's mother, Mrs. Frances Shaw, and Mr. Chas. Crawford, of Sacramento, were Sunday visitors. Mrs. Lord is on the Sacramento Union Staff of story writers.

Mrs. G. Vivian of Bridgeport called on friends Sunday.

Mrs. J. Hempler of Grass Valley, with their daughter, Mrs. Peterson, and husband and children were Sunday visitors. Mrs. Hempler's father, the late Phillip Miller, was for many years in the butcher business in French Corral and he and his wife spent their early married life in this place.

Mr. and Mrs. Lloyd Dudley of Nevada City Mrs. Dudley's parents, Mr. and Mrs. W. E. Moulton Sunday.

Mr. and Mrs. Horace Kempster of Sacramento were the guests of Mr. and Mrs. W. E. Moulton Sunday. Miss Frances Moultin returned to Sacramento with them.

Mrs. J. W. Culver was given a happy birthday surprise Sunday, when her son Will Culver and Miss Mabel Chatty of San Francisco and Mr. and Mrs. Benton Wilcox and Mrs. Wilcox's mother, Mrs. H. Hartung of Pleasant Valley came to spent the day with her. It was all a complete surprise and most heartily enjoyed by all of them.

We are glad to state that the "Boss" mine in Sweetland is operating full handed.

F. S. Wood and F. Clark and children of Sweetland, had business here Sunday.

Mr. A. Armstrong and son, Clyde, came from Forest Hill Sunday to visit their home in French Corral.

H. Browning made a trip to Nevada City Sunday. Miss Alice Day accompanied him on his return.

0

PROSPESTS FAR AWAY FOR SILVER RESTORATION

Prospects for political action looking toward restoration of the purchasing power of silver do not seem to be promising for the immediate future. Senator Oddie, a member of the senate mines committee, announced last week that he w as going to China to investigate conditions there and a recent dispatch from Washington stated that the senate foreign relations sub-committee was to continue its investigation of the depressed price of silver and the trade relations with that country. Senator Pittman, the chairman, is to go to China and Senators Shipstead and Swanso to Europe and the members will report to the senate in December. Nothing is heard of the President's intention regarding calling an interational coference, which was recommended by the senate just before adjournment of congress.—Nevada Mining Press.

0

Subscribe for The Nugget

P G & E CO. FEATURES REFRIEGERATORS

An exhibition of modern electric refrigeration is to be featured at the local Pacafic Gas and Electric Company office from April 16 to Junel. This display will be open to the general public from 9, o'clock to 5:30 daily.

A complete display of the newest models of outstanding refigerators on the market is being made possible dealers handling the Copeland, Bervel, Kelvinator, Trupar, Majestic, Frigidaire, and General Electric refrigerators.

Sturdiness of construction, quiet operation, attractive design, ease of cleaning, and mechanical advances are among the features of the new trays, and other accessories will also be shown.

Actual profit of approximately $130 a year can be shown from an ivestiment in an electric refrigerbelieves Mrs. Anna S. Paterson, San Francisco home economist in charge of the Refrigeration Exposition now being held in the Bay city.

To substantiate her belief, Mrs. Paterson has gathered figures on actual savings made in the average home which uses an electric refrigerator.

From homemakers who keep careful budgets of their expenses, Mrs. Paterson finds that savings made through climinating spolage of perishable foods is the biggest item of profit, Milk cream, butter, meats, fresh vegteables and other foods keeep safely untill they are entirely used. Leftovers never have to be thrown away. Savings of this kind, through small in themselves, show in the weekly food expenditure, reducing costs approximately $1.50 in the family of four persons.

A new style of marketing is adopted by homes with adequate refrigeration, Mrs. Paterson finds. Bying foods at the week-end "specials" can be done on a much larger scale when the housewife is sure of their keeping perfectly. Meat can easily be purchased three or four days ahead of the time it is to be used. Chicken stays for a week or more. Celery, lettuce, and other perishable vegetables, stay crisp and unwilted until they are used.

"A dollar a week is a conservative estimate of the amount which can be saved by' refrigerator marketing'," saye Mrs. Paterson. "I advise the homemaker who works on a budget to try for herself the dropping experiment which I made a few days ago. Make up a shopping list for provisions for a week ahead on Saturday, taking advantage of the Saturday special prices. Then take the same list to your grocer during the middle of the week, and compare the total. Uuless you have good refrigeration, the advantages you can take of bargans is limited, but with an electric refrigeration a week's provosions are not tooo much to buy at one time."

According to those figures, $78 a year can be saved through eliminating spolage, and$52 a year by quan-

"This amount of saving actually tity buying.

"This amount of saving actually pays for the average refrigerator in three years," Mrs Paterson says, "and the profit keeps on every year for the lifetime of the refrigerator."

Modern refrigeration is a great aid to the woman with children, Scientific child care involves a large amount of work, with a regular rountine to maintaine. Full use of the refrigerator greatly reduces the daily tasks.

Food is one of the most exacting problems in caring for children. Babies and small children are usually fed vegetables, meats, cereals, and other such foodss and at a very early age, and these foods have to be fresh, with an electric refregerator this is easily provided for. The food does not have to be prepared every day, and can be prepared at one time for several daye ahead and kept perfectly fresh.

This cuts the work in half, and because the temperature of the electric refrigerator is very low, it can be done with perfect assurance. In an ordinary refrigerator, where the temperature is lisable to fluctunate or rise above 50 degress, preparation of the food in advance is not so safe, because of the possibility of bacteria increase.

NEVADA CITY CLEANERS

W. H. Osborne

Cleaning, — Pressing, — Repairing

ELECTRICAL WIRING

L. B. Gregory will do all kinds of electrical wiring and all kinds of ignition work. He is well known here for his high class work.

Anyone wishing his services may call the Miners Foundry, Phone 10

The BEST Gray Hair Remedy is Home Made

To half pint of water add one ounce bay rum, a small box of Barbo Compound and one-fourth ounce of glycerine. Any druggist can put this up or you can mix it at home at very little cost. Apply to the hair twice a week until the desired shade is obtained. It will gradually darken streaked, faded or gray hair and make it soft and glossy. Barbo will not color the scalp, is not sticky or greasy and does not rub off.

MODERN GLASSES

Eye, Ear, Nose and Throat

DR. SAWYER

Ott Bldg. Nevada City

Hours 2 to 4

FULL LINE AMERICAN AND SWEDISH DISHES

Our Home Cooking Is Unexcelled

Try our Fried Oysters

GOOD MEALS AT ALL HOURS

VIKING RESTAURANT

MRS. ANDERSEN

BROAD ST. NEVADA CITY, CAL

NEVADA CITY SANITARIUM

Miss Elizabeth McD. Watson

Equipped to handle Obstetrical, Surgical, Medicinal and X-Ray Cases

Modern Equipment Nevada City

NEVADA CITY ASSAY & REFINING OFFICE

E. J. N. Ott, Proprietor

Practical mining tests from 25 to 1000 pounds, giving the free gold percentage of sulphurets, value of sulphurets, value of sulphurets and values of tailings.

Assays made for gold, silver, lead and copper. Mail order check work promptly attended to. Agent for New York-California Underwriters, Westchester and Capital of California Fire Insurance companies. Automobile insurance.

JAMES D. STEWART, E. M.

Consulting Mining Engineer

138 Commercial St. Phone 107 Auburn, Calif.

Examinations Reports Management

30 Years' Experience in Western Mining Fields

Code: Bedford-McNeil

Headache! Everybody has it once in a while. It may be due to a thousand and one different causes.

The way to cure a Headache is to find and remove the cause. Suppose it takes days or weeks to find the cause—what will you do in the meantime? Continue to suffer?

Why should you, when you can get

DR. MILES' ANTI-PAIN PILLS

They relieve quickly.

Use them for muscular pains and functional pains even when these pains are so severe that you think you are suffering from Rheumatism, Neuralgia, Sciatica, Lumbago.

Get them at your Drug Store.

25 for 25 cents 125 for $1.00

Peculiar Quality

ABOUT OUR SERVICE

Our patrons have found that it is "different" from others; it is more personal, more sympathetic. And that is what you want when you have trouble in the family such as death and its attendant misfortunes

MODERN AMBULANCE SERVICE

HOLMES FUNERAL HOME

SACRAMENTO - AUBURN - NEVADA CITY STAGE

WEST BOUND

Leave Nevada City	8:10 A. M.,	11:40 A. M.,	3:30 P. M
Leave Grass Valley	8:25 A. M.,	11:55 A. M.,	3:45 P. M
Arrive Sacramento	11:00 A. M.,	2:40 P. M.,	6:30 P. M
Arrive San Francisco		5:55 P. M.,	11:15 P. M

EAST BOUND

Leave San Francisco		7:40 A. M.,	11:20 A. M
Leave Sacramento	8:00 A. M.,	12:15 P. M.,	3:00 P. M
Arrive Nevada City	11:00 A. M.,	3:15 P. M.	6:00 P. M
Arrive Grass Valley	10:45 A. M.,	3:00 P. M.,	5:45 P. M.

Children's Food Kept Fresh and Safe

Safeguard the health of children with adequate refrigeration all year round. An electric refrigerator maintains the proper temperature for perfect food preservation. It brings a comfort and convenience you can well afford.

Milk stays fresh and wholesome in our electric refrigerator. For the little folks and for their good health this is vitally important.

For youngsters and grown-ups alike an electric refrigerator will be an all year round health guardian by preventing food spoilage.

A SMALL AMOUNT DOWN is all that you need pay to have a beautiful, new Electric Refrigerator delivered to your home.

You save food. With temperature assured below 50°, milk, cream, meat, eggs, vegetables are perfectly kept; celery and lettuce remain crisp and delicious.

Learn about new frozen desserts and salads that you can prepare easily and quickly. See how readily you may have an ample supply of ice cubes.

No need to wait, remember, because easy terms place these modern refrigerators within the reach of all immediately! Now is the time to make this practical investment.

Wherever Electric Refrigerators are sold a complete demonstration will be given gladly with no obligation on your part.

PACIFIC GAS AND ELECTRIC COMPANY

P · G · and E ·

Owned - Operated - Managed *by Californians*

In cooperation with Northern California Electric Refrigeration Bureau

INVEST IN AN ELECTRIC REFRIGERATOR

137-433

TELLS OF INTERESTING TRIP THROUGH EUROPE

Miss Martha O'Connor, accompanied by her brother, enjoyed a most wonderful trip to Europe last hummer, which she is telling to the readers of The Nugget. This is the fourth installment; subsequent installments will appear each week until completed.

JULY 26

We leave Lucerne, after our luncheon, for Innsbruck, the capital of Austrian Tyrol and center for winter sports. It is surrounded by mountains that fairly overhand the town. Here we see the celebrated figures of the "Knights of the Round Table," cast in bronze, departing in the afternoon for Oberammergau.

We rode all afternoon through a peautiful valley surrounded by mountains, where the grass fairly teemed with all kinds of wild flowers, and brooks sang on every side. By 4 a. m. we came in sight of Mt. Kobel, the guardian of the valley. On its top is a ross, and the people almost worchip this mountain in much the same manner as the Japanese do their's.

When asked if the choristers, would come to America and sing, they said "providing you take Mt. Kofel with us." We were met at the train and taken to our abodes for the night. They were not spoken of as hotels, but as "The House of So and So." Ours was the house of Peter Boeld, House No. 27G 1-6. Our breakfast was served individually in our rooms, with daintiest of dishes and napery and conssted of rolls, marmalade and whatever one wished to drink. Our lucheon and dinner, we at at the Home of Alois Lang, the "Christus' 'of the "Passion Play."

The town contains about 4000 people, and the houses are built here and there without any systematic arrangement of streets. In fact one can get lost very easily, espically at night. The main attraction in the lines of stores is the wood carving.

All the stores are owned by the Langs who are the principal actors in the Passion Play. The men all wore long hair and a few women outside of the players wore bobbed hair. This is the place where we saw two horse wagons drawn by one horse. The morning after arriving at Oberammergau we went to church where the coristers of the play sang the opening chorus, and also sang eiall through the service. Next we proceeded to the theatre and were presented with tickets and cushions for our seats. The play began promptly at 8 o'clock, at 12 a.m. we went out to lunch. Then back at 2p.m. and ended at 6 p.m..

The day we attended, July 27, was a beautiful day, but next morning as we were leaving, the rain came down in torrents. The players perform on an open platform twice a week from May til October. We were told that even if it were pouring down rain, on the day appointed the players performed just the same. The audience sit where they are not exposed and enjoy the play. The people were so fascinating that it was with deep regret that we left them on the morning of the 28th on our way to Munich.

JULY 28

Munich is the capital of Bavaria and the chief art center of Germany. Also said to be the music center of the world.

The Wagner and Mozart festival was on, and special performances were given at the Richard Wagner festival theatre. We left by night train for a trip "down the Rhine."

JULY 28

We were to have boarded the steamer at Mayence, but left from "Bingen" on the Rhine.. It is a romantic and enchanting ride. Past Lorelic Rocks, Bon and Coblentz, once an army Roman camp, and Among them "The Old Mouse Tower on the Rhine" and Heidelberg, where we stopped over night at the Darmistark hotel, on the River Nekkar. About a mile from town is the Castle connected with the story of the "Student Prince,." The country along the Rhine on both sides is teeming with vegetation and well populated. When the German people have a holiday, they usually go down the Rhine, taking hundreds of children, with their lunches, along. The day we were aboard, we saw great crowds of children, some of them standing and some of them had seats, but all were well behaved. One parent of each family usually accompanied them. Some of them wore wooden shoes and all neatly but plainly dressed. That same eve, July 29, we landed at Cologne where we disembarked and turned our faces west. There is a magnificent cathedral, well worth seeing there.

We next leave Cologne for Paris. at 6:45 p. m. and arrive next morning at 6:30 a. m. The train that carried us that night was much the nicest train I've ever ridden in. I was awakened about 2 a. m. as we passed through Belgium, to have our tickets and bagge inspected.

WESTERN EMPIRE MINE COMPANY SINK SHAFT

SAN ANDRES, Calif., April 23—Sinking of the main working shaft, following down the Royal vein, from the 1,000 to the 1,200-foot point in the Royal mine at Hodson, being Mines Company, Ltd., has been accomplished, it is officially learned. Likewise, a drift east from the bottom of a 200-foot vinze, sunk from the end of a 200-foot west drift on the 1,000-foot level, has been connected with the shaft at the new 1,200-foot station. In the extension of the workings full widths of milling grade ore have been extracted and sent to the milling plant, which is dropping only 20 of its total of 120 stamps.

The completion of this new work is noteworthy in that or being mined on the 1,200-foot level now requires only one handling in passage to the surface and permits of more expeditious operations. In order to provide ore storage pockets and sump below the 1,200-foot point, the shaft is now being sunk an additionel 50 feet. This work should be finished in a hhort time and permit of increased production. On the 700-foot level a raise above an 800-foot crosscut has revealed the Goodenough vein and exposed four and a half feet of shipping grade ore, it is offically stated. Conditions present in stope on this showing indicate the proximity of a junction of the Royal and Goodenough veins, and. in consequence, a more important disclosure at an early date is anticipate by the management.

Charles Preston and James Donovan are meeting with encourging results in the development of their placer gravel property on the south fork of the Calaveras River, three miles southwest of San Andreas. They have sunk three shafts to bedrock, a distance of 40 feet, revealing gravel from five to 12 feet in thickness which yields from $3., to $7.-50 a cubic yard in a drift being extended from one of the workings.

Nuggets can be found in the want ads. Give the Nugget a trial.

DEVELOPMENT ON SOUTH JACKSON MINE RESUMED

SUTTER CREEK, Calif, April23—Development of the South Jackson mine, about a mile south of the Argonaut mine at Jackson, has been resumed by the Vena Madre Metals Corporation, Ltd., sponsored by Los Angles and San Francisco mining, men, under a lease and bond from the Electrically driven pumps are being installed for unwatering the 578-foot three compartment shaft and lateral workings at the 210,345 and 500-foot point. A 40-horsepower electric hoist is in place for use when actual mining operations are again gotten under way. I. E. Snider, Los Angles mining engineer, is supervising operations.

By cleaning out the old Rhetto tunnel for about 550 feet of its total length of 650 feet and thereby providing an outlet, the management of the Amador Star Mining Company has gained control of an increased flow of water, two and a half miles north of Plymouth, and exploratory work is again in progress on the 300-foot level of the 580-foot three-compartment verticel shaft A new drift has been started from the 230-foot west crosscut which recently revealed the southern extension of the Rhetto Vein, a notable gold producer in earlier days on the 500-foot level and in the tunnel and a winze below it.

At a depth of 155 feet on the dip of the vein, the shaft being sunk on the Quartz Mountain property, four miles north of Sutter Creek, which is being operated by Anderson, Callison of San Francisco and James R. Murphy of Sutter Creek, under the supervision of the latter, is exposing a full width of shipping grade ore. The bore will be sunk an additional 50 feet before lateral work is inaugurated. A recent mill test run of 30 tons of ore gave a return of $25., a ton in gold and small silver values, according to Mr. Murphy.

Dr. Charles Brockman and Gus Boost of Jackson have obtained from Fred Waters of Plymouth a lease and bond on a tract of 109 acres adjoining on the north the Quartz Mountain property and have begun its development. A shaft now down 15 feet, is exposing four feet of ore which assays $6 a ton in gold, it is stated.

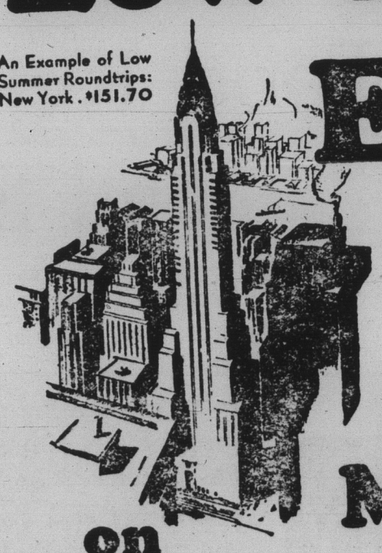
Run-Down, Weak, Nervous?

To have plenty of firm flesh and the ability to do a big day's work and feel "like a two-year-old" at night, you must relish your food and properly digest it. If you can't eat, can't sleep, can't work, just give Tanlac the chance to do for you what it has done for millions.

Mrs. Fred Westin, of 387 E. 57th St. North, Portland, Ore., says: "Tanlac cured my stomach trouble completely after three years suffering. It built me up to perfect health, with a gain of 27 lbs."

Tanlac is wonderful for indigestion—gas pains, nausea, dizziness and headaches. It brings back lost appetite, helps you digest food, and gain strength and weight. No mineral drugs; only roots, barks and herbs, nature's own medicines. Less than 2 cents a dose. Get a bottle from your druggist. Your money back if it doesn't help.

Low Fares East



Start May 22 on Southern Pacific's 4 Great Routes

Low summer roundtrips to eastern cities will be in force this year from May 22 to October 15. Return limit October 31.

The fares below are for a trip both ways via the direct *Overland Route*. For a small additional sum, you can return on another Southern Pacific route and see more of the United States and the Pacific Coast.

Don't wait until May 22 to plan your trip. Tickets are on sale *now!*

And before you plan, ask your local agent for a copy of the free, profusely illustrated booklet, "4 Routes East," or write E. W. Clapp, 65 Market Street, San Francisco, for a copy.

A few examples of low summer roundtrips:

NEW YORK	$151.70	CHICAGO	$90.30
Atlanta	113.60	Kansas City	75.60
Boston	157.56	St. Louis	85.60
Philadelphia	149.22	Minneapolis	91.90
Detroit	109.92	New Orleans	89.40
Houston	75.60	Washington, D. C.	145.86

Scores of others as low. Leave May 22 to October 15. Return limit October 31. You can buy tickets *now!*

Low fares to the Pacific Coast begin May 1.

Southern Pacific

NATIONAL MARKET

Nevada City

THE BEST FOR LESS ALWAYS

We Deliver

Phone 302

PROFESSIONAL CARDS

DR. BELL

Dentist

Office Hours: 8:30 to 5:30

Evenings by Appointment

Morgan & Powell Bldg. Phone

DR. ROBERT F. WERNER

Physician and Surgeon

Office: 400 Broad St., Nevada City

Hours: 10-12 a. m., 2-5, 7-8 p.m.

Nurse in attendance.

F. T. Nilon J. T. Hennessy

Lynne Kelly

NILON, HENNESSY AND KELLY

—ATTORNEYS AT LAW—

Offices, 127 Mill Street, Grass Valley

Morgan and Powell Bldg.

Nevada City

W. E. WRIGHT

ATTORNEY AT LAW

Office in Union Building

Phone 23 Nevada City

WARD A. JOHNSON, D. C.

Chiropractor

Grass Valley

Office hours—9 to 12 A. M. and 2 to 5:30 P. M. On Mondays, Wednesdays and Fridays 7 to 8 P. M., Grass Valley, Sunday by appointment.

153 So. Auburn St. Phone G.V.196

J. F. O'CONNOR

Civil and Mining Engineer

United States Mineral Surveying. Licensed Surveyor. Upstairs over City Hall. Main Street, Grass Valley.

EDWARD C. UREN

MINING AND CIVIL ENGINEER

Mining Reports Furnished

Mining District Maps

Phone 2784 Nevada City

FRATERNAL CARDS

NEVADA CITY LODGE, NO. 518 B. P. O. ELKS

Meets second and fourth Friday evening in in Elk's Home, Pine Street, Phone 108. Visiting Elks welcome.

HORACE A. CURNOW. Exalted Ruler

A. M. Holmes Secretary.

MILO LODGE, No. 48, K. of P.

Meets the 1st and 3d Friday nights at Pythian Hall, Morgan and Powell Bldg. Visiting Knights always welcome.

CARL LARSEN. C. C

J. C. E. FOSS. K. of R. & S.

STAGE TIMETABLE

Graniteville Stage leaves Nevada City at 7 a. m., for Lake City North Bloomfield, Moores Flat, and Graniteville. Leaves Graniteville at 7 a m., for Nevada City.

Alleghany Stage leaves Nevada City daily, except Sunday at 1:00 p m., for Tyler, Columbia Hill, Alleghany and Forest. Leaves Forest at 6:30 a. m., for Nevada City.

Marysville Auto Stage leaves a 8.00 a. m., for Rough and Ready Smartsville, Hammonton and Marysville. Leaves Marysville at 1:00 p m. Connects at Smartsville for North San Juan.

Downieville Auto Stage leaves Nevada City daily at 1 p. m., ar Leaves Downieville daily at 6 a m., arriving in Nevada City in time to connect with 10:30 train for San Francisco.

Washington Stage leaves Nevada City at 6:30 a. m., for Washington Leaves Washington at 6:30 a. m for Nevada City.

Prompt courteous service JUST PHONE

GRASS VALLEY STEAM LAUNDRY

111 Bennett St. Grass Valley

N. C. N. G. R. R. COMPANY TIME TABLE

Effective Sunday, Dec. 28, 1930.

Trains leave Nevada City at 4:45 a. m., Grass Valley 5:05 a. m., arriving at San Francisco 1:30 p. m.

Trains leave Nevada City at 8:50 a. m., Grass Valley 9:15 a. m., making direct connection with S. P. train No. 19 arriving at San Francisco 3:30 p. m.

Train leaves Nevada City at 4:10 p. m., Grass Valley at 4.35 p. m, daily except Sunday, making connection with S. P. train No. 20, leaving San Francisco at 12:40 p. m., enabling passangers to arrive at Grass Valley 6:55 p. m. and Nevada City 7:16 p. m., daily except Sunday.

Train No. 24 leaving San Francisco at 8::00 a. m. arrives at Grass Valley at 2:10 p. m. and Nevada City 2:30 p. m.

EDDIE LEONG

Fresh Fruits and Vegetables

FRESH FISH

All Kinds of Mellons

Free Delivery

NATIONAL HOTEL AND COFFEE SHOP

Our Banquet Rooms have been newly decorated and lighted and is just the place for Lodges and other organizations to hold their gatherings.

National Service is Well Known

Broad Street Nevada City

THE ROSE LEE BEAUTY SHOPPE

Hair Dressing and Beauty Work. Famous Adele Miller Toilet Articles.

LOUISE MARTIN

FINE WATCH REPAIRING

RADIO SERVICE AND REPAIR

CLARENCE R. GRAY

520 Coyote St. Phone 15

Work Called for and Delivered

Battery Service Tire Service

ONE STOP SERVICE AT

Clarence Briggs

Super Service Station.

HIGH PRESSURE WASHING AND STEAM CLEANING

Polishing and Greasing

111-113 E. Main St. Phone 4

Grass Valley. Calif.

FIR-TEX SUPER-INSULATION

Defies Heat—Cold—Noise

The new building Board ½ inch thick. All 4 feet in width; length: 6, 7, 8, 9, 10, 12 feet. Do not overlook this wonderful wall board; something different than you have ever seen.

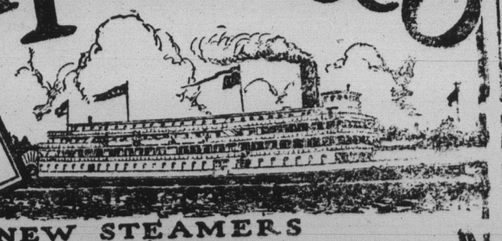
SIMPLY WONDERFUL

Now our New Year's Stock arriving in car loads daily. Paint and Oils of all kinds and colors. Corrugate Gale Steel Sheets, Lime, Plaster, Brick, Doors and Windows galore. All kinds Cedar Shingles, Composition Roofing and Shingles in all the attractive colors. New stock of Flooring, Ceiling, Rustics, in fact everything you need for your new home. Remodeling or repair wood. Our delivery service is the best. Don't overlook our complete line of House Hardware.

THE DIAMOND MATCH CO.

Grass Valley California

TO San Francisco



NEW STEAMERS "DELTA KING"—"DELTA QUEEN"

Floating hotels de luxe

Rooms with private bath

SINGLE OR ENSUITE

Unsurpassed dining service

Special advantages for automobile parties

Take your Automobile

FARE $1.80 ROUND TRIP $3.00

MAKE RESERVATIONS

Phone MAIN 4620

FOOT OF M STREET

SACRAMENTO

CALIFORNIA TRANSPORTATION CO.

CAMPTONVILLE ITEMS

CAMPTONVILLE, April 23.—The community committee in charge of the finishing the local hall recently held a meeting, and decided to cover the interior walls with plasterboard, and to paint the ceiling and all the woodwork, to repair the seats and make some other minor improvements. When completed, the local hall will be one of the best and nicest looking in the mountains. They expect to have all the work done before the school dance on May 23rd. The subscription list is still open and anyone who has not already responded may do his. This o worthy cause, considering that the local hall is the only place in the section which is open to the public for meetings, funerals, etc., without charge, and in consideration for its free use for the past fifty years, it is fitting that the people take the means of making it up to date and attractive for future use.

Mrs. Olive Groves and son William returned Sunday from a week end visit with relatives at Auburn.

James M. King and Albert C. Sommers motored from Nevada City Sunday on a short visit with relatives and friends.

John J. Kelly of Moonshine was a business visitor in Marysville saturday.

Erle and Myron Pauly returned to Marysville Sunday afternoon after spending the week end visiting their parents here.

Rev. H. H. Buckner, of Nevada City, was in town Sunday conducting a musical service at Hotel Francis.

J. L. Foote and Si Perkins of Grass Valley spent three days this week in town working on various telephone lines.

Fred J. Joubert motored to Nevada City Wednesday on a srort business visit.

Dr. Carl Sutton of Downieville was in town Tuesday called by the illness of Peter Peterson.

Jacob Keiffer of Downieville passed through town Tuesday from Colfax enroute to his home.

Mrs. F. S. Labadie and Mrs. Acton M. Cleveland motored to Nevada City Wednesday on a short business visit.

Guy C. Tabler, incharge of the Yuba River Fish Hatchery, near hear, motored to Nevada City Saturday to get his family who will reside with him at Indian Valley.

Julis E. Pauley returned Monday from a short business visit at Marysville.

Mrs. M G. Calvin had themisfortune Monday morning of spilling a large bucket of boiling water on her leg and, badly scalded herself, causing a painful injury and necessiting her being confined to the house for several days.

Michel C. Long, a native of and one time resident of thi section died Saturday morning, April 18th., after an illness of long standing, at his home at Santa Clara, at the age of 65 years. He is survied by his wife, and two sisters, Mrs. John J. Kelly and Mrs. Richard A. Bartsch of Moonshine, and two brothers, John E. Long and Thomas H. Long of Slate Range. Funeral services were held saturday morning at Santa Clara where interment was made.

INVESTIGATE MINERAL RESOURCES OF ALASKA

The most significant effort yet made to determine the mineral values of Alaska will be carried out this summer by the Department of the Interior.

The recent Congress approciated $250,000 "for continuation of the investigation of mineral and other resources of Alaska," along the Alaska Railroad. This is an addition to the regular appropriation for work in Alaska.

The appropriation was placed in the hands of Secreatary Wilbur and he has organized the work chifely through the Geological Survey. Though this special appropriation is not available until July1, the Geological Survey, considering the short working season in Alaska, has arranged to make advances from its own funds that the work may be started early and a full season of results attained this year.

As fast as given investigations are completed they will be reported and the facts made available without references to Washington.

One of the major projects in this investigation will be an examination of the Anthracite Ridge coal field in the vinity of the Alaska Railroad. This will include detailed surface investigations, including test pitting and trenches in the Anthracte Ridge coal field, where there are known veins more than 50 feet thick, subsurface core drilling and investigation in the Anthracite Ridge coal field, entailing about 4,000 feet of core drilling. Examinations of reported new prospects and reexaminations of nonmineral bearing areas with special references to quantitantive determinatinos of possible mineral tonnage and the assembly of and recording of all known mines and prospects within the railroad belt will be caried out.

Sixty thousand dollars has been allocated to Willow Creek, Fairbanks, Copper Mountain, Girdwood, Kantishna, and Moose Pass districts and a party will operate at each of these areas. In these districts rather extensive prospecting or development has been in progress and the work will be of an intensive type and on a rather detailed scale.

Twenty-four thousand dollars have been allocated to the West Fork of Chulitna, Valdez Creek, Talkeetna Mountains and Yentna districts and the investigators will operate in four parties. Only a small amount of mineral has yet been taken out in these undeveloped but the probability ally undeveloped but the probability of valauble finds is believed to be good. The examination in these areas will be on the preliminary exploratory type.

To investigate, tests, and report on non-metallic minerals such as clay, limestone, marl, etc., in the railroad belt, and prepare a pamphlet on their economic and possibilities of production $5,000 has been set aside.

It is estimated that the surface investigation of the Anthracite Ridge coal field will cost $27,000, that the core drilling in that field will cost $100,000.

As the purpose of the investigation is to develop natural resources along the Alaska Railroad, it is important that the results of the examinations shall be published as quick as possible after the field work has been completed. To this end the Geoligical Survey will prepare at Anchorage, memorands for publication, setting forth the principal results o the individual investigations within a few weeks after the work of the parties has been completed. Complete statements of the field results of each project, based on a more throughly study on material collected and on the interpretation of many technical observations will follow later, but will be issued at as early a date as is compatible with a throughly sound and accurate statement of the results.

For the above purpose the Anthractic Ridge area has been temporarilly withdrawn from classification. The other areas where the ten parties will operate will not be withdrawn or in any way reserved and this intensive work to produce tonnage will be carried on in the most promosing areas, both on the public lands and with the permission of the owners on claims which are already staked. No development work will be done but the testing of samples and intensive geolovical work will give the owners, prospectors and prospective investors some guide as to the possibilities of the property under study.

The Geological Survey will maintain throughout the yeara a representative in Alaska, with headquarters at Anchorage, to work with prospectors and mining companies, and make available to them the material gathered by the surveys herein provided. His salary and the expenses of his office will be charged against the $250,000 appropration mentioned. He will also be a medium coordination between the railroad and the otheer agencies engaged in this program.

DUST ON MIRROR BAD FOR REAR VISIBILITY

Both the rear vision mirror and the rear window of a car should be kept free from dust and dirt, advises the Free Emergency Road Service of the California State Automobile Association. When both are dusty or dirty the combination is one of the worst possible from the standpoint of visibility and safety. Cleaning the windshield before the wiper is started is also a good practice, because otherwise hard particles may scratch the glas.

Upholstering

JOHN W. DARKE

109J Phones 109M

FRED M. MILLER
CONSULTING ENGINEER
CIVIL AND MINING ENGINEERING
REGISTERED CIVIL ENGINEER
LICENSED SURVEYOR
Hydraulics — Irrigation — Surveys
Land Classification.
LAST OFFICIAL MAP OF NEVADA COUNTY
Hydraulics — Irrigation — Surveys
Office at Residence — Grass Valley
262 Auburn Street.

If you want to buy, sell, or rent something, try the Nugget want ads.

GRASS VALLEY ASSAY OFFICE
Assays for gold, silver, lead, copper, iron, mercury or any metal. Samples received before 9 A. M. reported same day.
Ore Testing Laboratory
We are equipped for testing and submitting methods for commercial treatment of compler ores.
Testing ores for amalgamation, concentration, cyanidation, flotation or any metallurgical process.
Mine examinations and reports and mill testing.
Licensed gold buyer.
129 Church Street, Grass Valley.

Ore and Bullion
Purchased
Licensed by State of California
Established 1907
WILDBERG BROS.
SMELTING & REFINING CO.
Offices: 742 Market St., San Francisco
Plant: South San Francisco

PLAZA SUPER SERVICE STATION
CARL T. LARSEN, Prop.
GOODYEAR TIRES & TUBES HYDRAULIC LIFT
GILMORE GAS SHELL GAS
GREASING TOW CAR WASHING
BATTERY SERVICE PHONE 46

JOY IN EVERY BITE
Every mother knows how childish appetites long for "something good."
Satisfy that longing, put a happy light in the eyes of your children with plenty of the most wholesome food—PATSY BREAD.
Order your supply from the Grocer today
KOPP'S BAKERY
Nevada City, Calif.
Patronize Home Industry

DON'T DUCK.
Meet your friends with neatly cleaned clothes.
Did you ever see an old friend coming down the street in the distance, and realizing that your clothes were not neatly cleaned and pressed, turned a corner to keep from meeting him?
Our cleaning prices are so moderate that such a thing need never happen. Send your clothes often to the
GRASS VALLEY CLEANERS
ED BURTNER, Proprietor.
Phone 375 W 111 West Main St.
Will call Monday and Thursday afternoons at your home and deliver on the next trip over. We will credit your phone charges.

RELIABLE MAN WANTED—to call on farmers in Nevada County, Wonderful opportunity. Make $8 to $20 daily. No experience or capital needed. Write today. FURST AND THOMAS, Department F. 426 Third St. Oakland, Calif.

OSCAR E. WINBURN
ATTORNEY AT LAW
SUITE 1-2-3 CITY HALL BLDG.
GRASS VALLEY, CAL.
Phone 47

CLASSIFIED ADS

CLASSIFIED RATES
One cent a word for first insertion, two cents a word for one month. Minimum rate, 25c, one time, 50c for month.

FOR SALE OR TRADE—A 13-acre irrigated ranch, consisting of a family orchard, almonds, grapes, remainder of place sowed to grain, 5-room house, bath and porch. DELL B. JONES, Rt. 2 B59, Oakdale, Calif.

FOR SALE—Camp trailer, deep box, good tires fabric cover. $30.00. Also, Grant Six Sedan, would make fine truck. Make offer. Frank C. Coates. 4-3-tf.

SPECIAL—A first class upright piano, $65.00. 1 Victrola, $25.00, like new. Bargains in all used and new furniture and floor coverings. H. BELOUD, 113 West Main St. Grass Valley.

PIANO used but very little, which we have in this vicinity for sale on exceptionally easy terms and at a exceptionally low price. This is a real bargain and can be purchased at a great sacrifice. If interested, write Ellas Marx Music Co. 11 and J streets, Sacramento, Calif.

WANTED—Intelligent American woman of good character, lover of hills and solitude, wishes respectable work of any kind that will offer a home in the hills and some small renumeration, Box Y, care The Nugget office.

FOR SALE—Two-third interest in gold mining claim near French Corral worth $6,000. Will sell for $1,000. Pay$250 down, balance terms. Several other good bys. MINERS REAL ESTATE CO. 208 Main St., Phone 47 or 137½ Mill Street, Grass Valley m6-a6

MINING CLAIMS—All Listings with us are sent to San Francisco, Los Angles and New York. Quick service; leases; contracts; corporation formed. MINERS REAL ESTATE CO., 208 W. Main st., phone 47; also 137½ Mill st., Grass Valley. m6-a6

NOTICE
From now on the Colfax Bakery will supply their products to the Sacramento Street Grocery, Nevada City, California.
ANGELINI CICOGNI, Prop.

BUILDERS OF CALIFORNIA

"hello London California speaking."

IN 1/30 of a second, your voice flashes across continent and ocean. Another modern miracle!

Astounding, too, are these communication facts: This state has more than 6,150,000 miles of transmission lines — in addition to ever-expanding radio facilities. And Californians transmit approximately 7 million telephone calls, telegrams and commercial radio messages *daily*.

Communication companies in California have invested $413,000,000 and employ some 40,500 workers.

Of these employes, more than 10,000 are Bank of America depositors. And this Bank is privileged to serve the leading telephone, telegraph and commercial radio companies operating in California.

With their far-flung organizations, these companies require exceptional statewide banking facilities. Conservatively managed and charged with great responsibility to government and public, they choose their banking connections with extreme care.

Especially significant, therefore, is the selection of Bank of America by these leaders in public service — and by so many thousands of their employes. Do not these facts suggest the most desirable bank for you?

*5 of the 7 LARGEST COMMUNICATION COMPANIES operating in California are served by Bank of America

Bank of America
National Trust & Savings Association
MEMBER OF FEDERAL RESERVE SYSTEM

NOTICE OF ELECTION

For Trustees of Elementary and High Schools.

Notice is hereby given to the electors of the Nevada School, District County of Nevada, State of California, tha the election of school trustees will be held on Saturday, April 25th, 1931, at the grammar schoolhouse in said district. There will be three school trustees elected for the term of three years.

The polls will be open at 2 p. m. and close at 6 p. m.

The officers appointed to conduct said election are: Miss Mary Hoskins, Miss Annie R. Byrne, Mrs. Celia Neagle.

H. A. CURNOW,
Clerk of Board.

DEPARTMENT OF NATURAL RESOURCES STATE, OF CALIFORNIA
Order Opening Trout Streams

For the purpose of further protecting trout with which the Fish and Game Commission has stocked the various waters of this state, of insuring their growth and better means of providing an adequate supply of trout eggs for the various fish hatcheries of this state to the end of improving fishing conditions generally throughout the state, and upon the recommendation of the Fish and Game Commission of the State of California and pursuant to and by virtue of the authority vested in me by the provisions of Chapter 751, 1927 Statutes of California, the following waters within the County of Nevada, State of California, were closed to trout fishing or the taking, killing or having of any trout therein or therefrom during all times and seasons during the year 1930.

Culberson Lake and tributaries in T 18 N, R12 E, M. D. B. & M.

Upper and Lower Lindsey Lakes and Tributaries in T 18N, R 12 E, M. D. B. & M.

NOW, good cause appearing therefore, it is hereby ordered that the above referred to streams are open to trout fishing in conformity with the existing legislation thereto pertaining.

It is further ordered that in addition to the publication of this order as provided for by Sec. 4 of the aforesaid statute, a copy hereof be posted at the Courthouse of said county at the place where notices are posted pursuant to the provisions of Sec. 1373 of the California Code of Civil Procedure, or some other conspicious place.

Given under my hand and seal this 9th day of April, 1931.

D. H. BLOOD,
Director of Natural Resources.

I, James Rolph, Jr. Governor, do hereby give my consent to the above and foregoing order.

JAMES ROLPH.

LEGAL NOTICE.

NOTICE OF HEARING PETITION FOR ORDER DIRECTING CONVEYANCE OF REAL AND PERSONAL PROPERTY BY ADMINISTRATRIX.

In the Superior Court of the State of California, in and for the County of Nevada.

No. 3322.

In the Matter of the Estate of THOMAS J. PHELAN, also known as T. J. PHELAN, Deceased.

Mary C. Maitland, the administratrix of the estate of Thomas J. Phelan, also known as T. J. Phelan, deceased, having filed herein her verified petition praying for an order directing a conveyance of certain real and personal property of said estate in said petition and hereinafter described, and setting forth and alleging the certain facts upon which said petition is predicated;

Notice is hereby given to all persons interested in the estate of said Thomas J. Phelan, deceased, to appear before the said superior court in Nevada City, county of Nevada, state of California, on the first day of May, 1931, at ten o'clock a. m., then and there to show cause, if any they have, why a conveyance of said real and personal property, hereinafter described, should not be executed and delivered upon the terms and conditions set forth in that certain lease and agreement accompanying and made a part of the petition of the said administratrix on file herein, and the oral modification thereof, to which petition and agreement and oral modification reference is hereby made for further particulars.

Said real estate is described as follows:

Those certain tracts or parcels of land commonly known as the Phelan Ranch, situate in the county of Nevada, state of California, and more particularly described as follows:

NE¼ of SE¼ (less ¾ of an acre conveyed to John A. Ray) in section 16, township 17 north, range 8 east, M. D. B. & M.

60.87 acres in the SW¼ of NE¼, NE¼ of SW¼ and NW¼ of SE¼ of section 16, township 17 north, range 8 east, M. D. B. & M.

S½ of SE¼, SW¼ of SW¼ and lot 1 of section 15, township 17 north, range 8 east, M. D. B. & M.

NE¼ of SW¼ and NW¼ of SW¼ of section 15, township 17 north, range 8 east, M. D. B. & M.

S½ of NW¼ and S½ of NW¼ of NW¼ of section 15, township 17 north, range 8 east, M. D. B. & M.

Also the farming implements, tools and equipment situated on said real property, including five tons of hay.

Dated March 27th, 1931.

R. N. McCORMACK,
(SEAL) Clerk.
By R. B. DEEBLE,
Deputy Clerk.

NILON, HENNESSY & KELLY,
Attorneys for Petitioner.

Date of first publication, April 3, 1931.

Last publication May 1, 1931.

FLOTATION PROCESS OF GOLD BEARING ORES

By KELLOGG KREBS

Until recently gold ores have been heated exclusively by amalgamation, gravity, cyanidation, or combination of these processes.

Flotation had been developed to a high degree of efficiency for treating base metal ores before it was given attention in heating gold ores. Flotation of gold ores using various oils has been attempted without unusual success for fifteen years or more, but modern chemical gold flotation is relatively a recent development.

Through the past year fifteen new flotation plants, treating from 15 to 400 tons per day of the most varied types of gold ores have gone into operation in the State of California. Ofe these number six continue to use amalgamation ahead of flotation, nine have straight flotation.

Modern grinding and classification and flotation equipment have played almost as important a part as chemicals in making this new process efficient both metallurigically and economically. Coarse gold, unable to overflow a classifier, can be collected at this point and heated in cleanup barrels. It is erroneously believed the presence of sulphides is essential for gold flotation to be successful. As a matter of fact free gold is more amenable and more readily floated than any of the sulphides when it is of flotation size.. Free ogld fine enough to overflow a classifier without the aid of chemical promoters would not fail to float with such assistance in the float machine.

The cost of a grinding, classification and flotation plant runs approximately the same as a stamp mill amalgamation and gravity plant. Operation costs on the average are equal. The overall efficiency due to metallurgy shows an average economic advantage of about 15 per cent in favor of the flotation plant. This differential may represent a profit not otherwise attained by many operators.

Many ores are not economically amenable to cyanidation, but where the process in metallurigically feasible, and tonnaeg is available to warrant the erection of a relatively costly plant, it is still the most efficient method of recovering gold. The properties of the Mother Lode of merit which could be economically treated by flotation are numerous. Attainment of suitable physical and hemical condition for maximum efficiency is frequently very complex, but the subsequent set up and operations is extremely simple.

Whereas the representatives of the American Cyanimid Company have frequently advised mining men their ore could not be economically treated by cyanidation, we have not encountered an ore which will not show flotation to have a distinct advantage over gravity or amalgamatio treatment, with regard to the combined economic factors of metallurgy, operation costs, and amortization of the investment.

KENNEDY DEEPEST GOLD MINE IN UNITED STATES

SUTTER CREEK, Calif., April 23 Not long ago President E. C. Hutchinson of the Kennedy Mining ad Milling Compony, i a conversation with the writer in reference to its famous Kennedy mine, at Jackson, the deepest gold mine in the United States, s id, with marked emphasis, that ts value had preseted "from the grass-roots to the present bottom 4,800 feet vertically." That he believes the great gold producer still remains to be "bottomed" is evidenced by the fact that sinking operations are again in progress. Instead of continuing the present three-compartmet vertical shaft, however, the management has started an auxiliary incline bore, or winze, of like proportions, in the foot wall section of the massive Mother Lode vein, from the 4,800-foot level, apout 100 feet distant from the vottom of that working.

It is learned that the immediate objective of the new sinkng operations is the 5,100-foot vertical point, or about 320 feet, on the dip of the vein, below the uresent 4,800-foot or bottom level of the vertical shaft. It is understood that a comprehensive program of lateral development work, however, will be prosecuted on the dip of the vein. In order to permit of the new sinking operatios, it has bee necessary to mine an immense chamber around the winze collor and install a complete secon-mining equipment to insure expeditious ad economcal work.

Although offical confirmation is unobtainable, as is usual in consequence of the sphinx-like policy always followed by the management, it is learned from an authenetic source that a new orebody has recently been opened up on the 4,-600-foot level of the Kennedy mine, north of the shaft. The magnitude of the find has not been determined thus far, but it is stated that exploratory work has to date proved it for a width of more than 15 feet, with gold content running well above the ordinary milling grade of ore.

Basing its plans and calculations solely on geological conditions prevailig, the Russel Kent Mining Cor-a small group of Boston and New York business men, has undertaken a campaign of development work on the Clark Courtwright 450-acres property, three miles northwest of be watched with keen interest by the Mining fraternity, due to its remotness to the west from the main segment of the Mother Lode. A shaft site has been selected and mining machinery is being assembled for the immediate sinking of a three-compartment vertical bore, with a depth of 350 feet as the initial objective point. The first level will be established at the 300-foot point, and after lateral work is gotten under way there, sinking will be resumed with a depth of 1,200 feet as the ultimate goal. Operations below that horizon will depend upon results obtained on and above it, it is officaly stated.

Conditions present on the 900-foot level of the Pacific mine section of the Plymouth Consolidated property at Plymouth indicate that the goal of the management of the Argonant Mining Company, which is operating it the disclosure of the extension of the adjoining Empire mine vein, a great early-day produer is about to be reached, As a matter intersected by the cross cut on the level named by the exposure 280 feet west of the Pacific shaft of six feet of quartz carrying low grade values, it is learned. A drift north on this drift on two feet of quartz of similar value revealed by the same crosscut 130 feet west of the shaft.

OIL LEAK REPAIR SHOULD BE PROMPT

Oil leaks in the engine should be repaired without delay, advises the Free Emergency Road Service of the California State Antomobile Association. This will not only avoid excessive use of oil but will assure that the engine is getting an adequate amount of lubricant.

CONFIDENCE MEN TAKE OVER OLD PROPERTY

JAMESTOWN, Calif, April 23—W. E. Booker and J. J. Crane of Jamestown and George Meuli of Conidence have taken over, under a lease and bond, from Hugo G. Hornelin of San Francisco and Mrs. Jenie Hornlein of Sacramento the Norweige property, on Jackass Hill, one mile north of Mark Twain's famous cabin and seven miles northwest of Jamestown. They are unwatering and retimbering a 550-foot shaft preiminary to resumption of development work below the 250-foot level, to which depth the property, it is said, has been partically worked out in the last 20 years, producing $375,-000, largely in "pocket" gold ore. On the 100,250 and 400-foot levels an aggregate of 1,500 feet of lateral workings have been extended. On the last named level, an orebody has of 400 feet, showing in width an average of five feet and in value $8., it is said.

In developing his property near Tuttletown, John Sullivan is exposing in a vertical shaft, which has gained a depth of 35 feet, four feet of $20 per ton gold ore, with a two-inch hanging wall streak and four-inch footwall streak showing free gold to the naked eye.

PRODUCTION OF ZINC ORE IN YEAR 1390

The production of primary refined zinc in the United Ssates from ores of domestic origin in 1930 amounted to 489,361 short tons, compared with an output of 612,136 tons in 1929, according to the United States Bureau of Mines, Department of Commerce. Production from foreign sources was 8,684 tons, compared with 13,311 tons in 1929. In addition to the output of primary zinc, 34,849 tons of redistilled secondary zinc was produced, compared with 47,348 tons in 1929. Of the total output of 532,894 tons was distilled primary zinc, 131,188 tons was electrolytic zinc, and 34,849 tons was redistilled secondary zinc. In 1929 the total production of 672,795 tons was made up of 469,212 tons of distilled primary zinc, 156,235 tons of electrolytic zinc and 47,348 tons of redistilled secondary zinc. The 1930 output was composed of 156,494 tons of high grade zinc, 26,079 tons of intermediate, 93,270 tons of select and brass special, and 257,051 tons of prime western zinc.

A more detailed statement of zinc as bricks whih are prepared with production, stocks, etc., will be published in the near future.

REPORT OF COMMITTEE

(Continued from page one).

misioners, as well as each individual state Insurance Commissioner. Also, the various classifications in the rate manual for compensation insurance are uniform and approved by the Insurance Commissioner, together with any system of rating, such as experience rating. In addition to the rate calculating duties of the California Inspection Rating Bureau, one of its most important duties is to see that all policies are written at the rates and classifications as approved by the Insurance Commissioners of the state of California, and every policy, binder or endorsement issued by any insurance carrier in California has to be sent to the California Inspection Rating Bureau for its approval. In this way Insurance Commissioners is asuered that the mininum rates established by him are not being violated.

Your committee found that compensation insurance rates for the mining industry were made under a formula applied uniformly to the whole rate making structure. The same formula is used in every state having compensations acts The rate itself is made for each indivedual classifications based upon the astual incurred losses for that classification over an experience period of five years. The present compensation insurance rate for these mines is based upon actual experiences of this classification and industry in California alone for the policy years 1924 to 1928, inclusive. Each subsequent as the experiences of variouus classifications is reviewed for rate calculating purposes, the oldest year's experiences of the five years is dropped and the latest year's experiences is substituted. The basic principals underlying the use of a five year experience is to provide a sufficient volume of both payroll and losses, and to prevent, as far as is possible, wide variation in rates from year to year in each individual manual classification.

(Continued Next Week)

TWO FIRST AID OPERATIONS IN ONE

With one motion and with great saving of time you can apply both gauze and plaster to an open wound.

Firstaid Readymade Bandage 25c

These strips of adhesive plaster with gauze pad centers are ready for immediate application. The sanitary package contains eleven strips of assorted widths. There's a size that will fit most any wound. Get a package today.

R. E. HARRIS

THE REXALL DEPARTMENT DRUG STORE

SPECIAL PRICES IN

SHOES

We Have Wonderful Values This Week at

Boys' Boots, Either Rubber or Leather

Felt Slippers of all styles for all the family

HOGAN'S SHOE STORE

SPRING GARDENING TOOLS

LAWN MOWERS, RAKES, SPADES, HOES

HAND GRASS CLIPPERS, HAND TROWELS,

HAND WEEDERS

GARDEN HOSE AND SPRINKLERS

SPRAYS AND FERTILIZER

Complete Line Lilly Seeds. Grass Seeds in Bulk.

White Clover, Alfalfa, Red Clover, Kentucky

Blue Grass

ALPHA HARDWARE & SUPPLY CO

See Me—
See Better
GEO. H. SHIRKEY
Opt. D.
Optometrist
118 Mill St
Grass Valley

WASH DRESSES

Reveal interesting ways to approach household tasks!

Can't you imagine how romantic a turn housekeeping will take in a princess-line frock? Or in what a business-like manner you can go about it, in a tailored model? Even the most hum-drum task will be made gayer if you're wearing a youthful basque frock . . . with its flaring skirt and nipped-in waistline. Nor is this all . . . we haven't room to tell you how completely you can revolutionize your household pursuits with a supply of these fresh, colorful new wash frocks at only

79c

Regular sizes, 16 to 46
Extra sizes, 48 to 52

Fancy prints, printed batistes, printed dimities in large and small figured and floral patterns . . . polka dots, too. Also plain-color linene. Delightful color combinations.

Also . . . a group of charming new wash dresses at $1.79,

J.C. PENNEY CO. INC.
DEPARTMENT STORE
115-119 Mill Street Grass Valley, California

Watches--Jewelry
—AND—
JEWELRY STORE MERCHANDISE
EXCLUSIVELY
H. W. HARTUNG & SON
Jewelers
124 Mill Street Grass Valley

Fresh, Wholesome, Appetizing

MEAT

Our large and growing volume of business enables us to offer you a large variety of choice meats at a small margin of profit.

SOME OF OUR SPECIALS

Small rib steaks, tender and uicy.
Fine Tenderloin and Sirloin cuts.
Roasts of all kinds.
Weinies and superfine Kraut.

KEYSTONE MARKET
CALAHAN & RICHARDS